

MEDICAID BLOOD LEAD TESTING

*Michigan Department
of Community Health*



JANUARY 2005

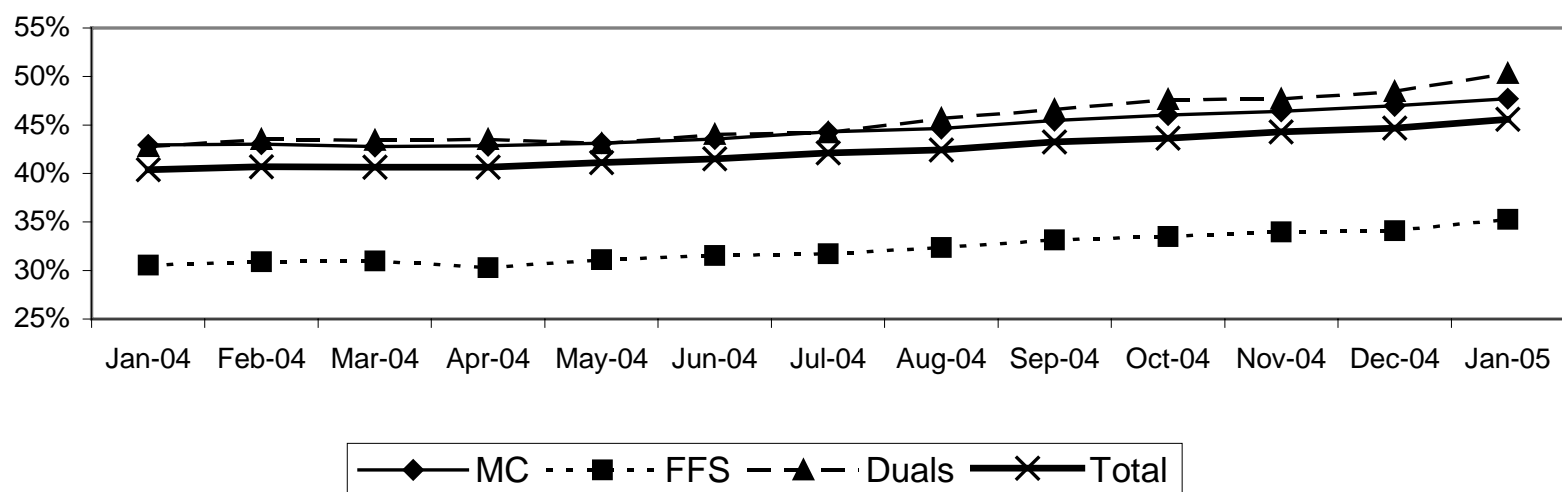
Blood Lead Testing Methodology

- Children must have been eligible for one of the following programs in January 2005
 - Medicaid Managed Care (MC)
 - enrolled in a Medicaid Health Plan (MHP)
 - Medicaid Fee-for-Service (FFS)
 - eligible for Medicaid Only FFS coverage
 - Medicaid and CSHCS Dual Eligible (Duals)
 - dually eligible for both Medicaid and CSHCS
- Blood lead testing results include children tested:
 - on or before indicated birthday for 2 and 3 year olds
 - at any time between ages 1 to 6
- Unique Client Identifier (UCI) used to establish link between Medicaid and lead databases

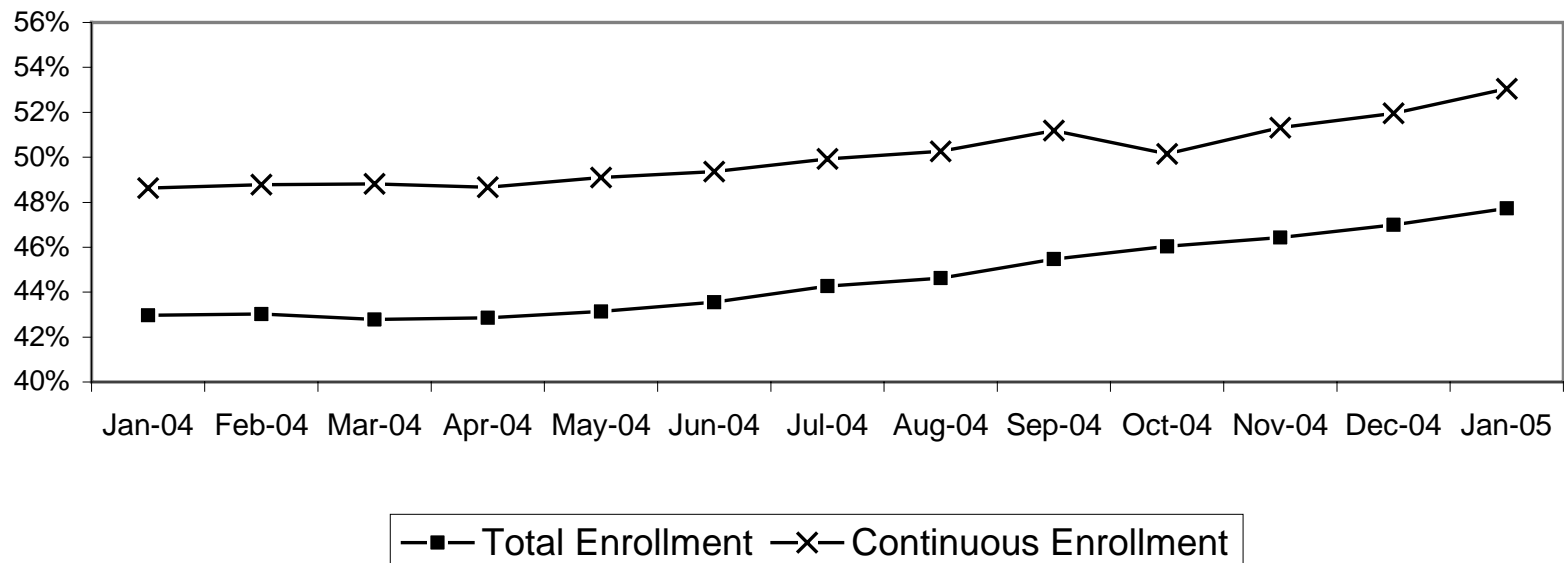
Blood Lead Testing Summary

- 2 year old children tested on or before their 2nd birthday
 - 39% Statewide
 - 57% City of Detroit
 - 41% Statewide for Medicaid MC
 - 30% Statewide for Medicaid Only FFS Eligibles
 - 43% Statewide for CSHCS Duals
- 3 year old children tested on or before their 3rd birthday
 - 46% Statewide
 - 68% City of Detroit
 - 48% Statewide for Medicaid MC
 - 53% Statewide for Medicaid MC with 12-Month Continuous Enrollment
 - 35% Statewide for Medicaid Only FFS Eligibles
 - 50% Statewide for CSHCS Duals

Children Receiving at Least One Lead Test on or before Third Birthday by Program Eligibility

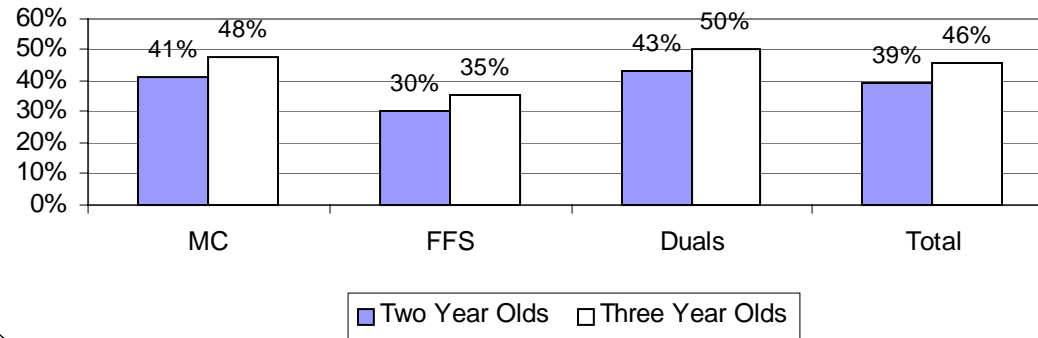


Managed Care Enrolled Children Receiving at Least One Lead Test on or before Third Birthday



- Total Enrollment
 - Enrolled in measurement month
- Continuous Enrollment
 - Based on MMIS eligibility system
 - Enrolled in same health plan for the measurement month and 12 months preceding 3rd birthday, with a 1-month allowable gap.

**Children Receiving at Least One Lead Test on or before
Indicated Birthday by Program Eligibility
January 2005**



**Children Ages One to Six with at Least One Blood Lead
Test by Program Eligibility
January 2005**

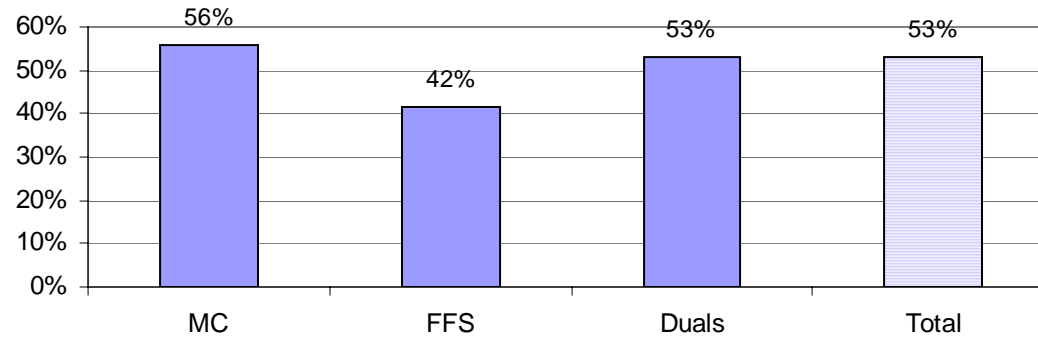


Table 1. Percent of Children with at Least One Blood Lead Test on or Before their Second Birthday

Program	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05
MC	35.5%	35.5%	35.3%	35.5%	35.9%	36.3%	36.9%	37.8%	38.5%	39.2%	39.9%	40.5%	41.1%
FFS	25.9%	26.7%	26.6%	26.7%	26.2%	25.9%	26.4%	26.6%	28.1%	28.7%	29.3%	29.7%	30.1%
Duals	39.4%	39.6%	39.9%	39.6%	40.9%	41.1%	41.5%	41.2%	41.4%	40.4%	41.7%	41.7%	43.1%
Total	33.7%	33.9%	33.9%	34.0%	34.4%	34.7%	35.2%	35.8%	36.7%	37.2%	38.1%	38.6%	39.2%

Table 2. Percent of Children with at Least One Blood Lead Test on or Before their Third Birthday

Program	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05
MC	43.0%	43.0%	42.8%	42.9%	43.1%	43.5%	44.3%	44.6%	45.5%	46.0%	46.4%	47.0%	47.7%
FFS	30.6%	30.9%	31.0%	30.3%	31.1%	31.5%	31.7%	32.4%	33.1%	33.5%	34.0%	34.1%	35.3%
Duals	42.8%	43.5%	43.4%	43.5%	43.1%	44.0%	44.2%	45.7%	46.6%	47.6%	47.7%	48.5%	50.3%
Total	40.4%	40.7%	40.6%	40.6%	41.1%	41.5%	42.1%	42.4%	43.3%	43.7%	44.3%	44.7%	45.6%

Table 3. Percent of Children Ages One to Six with at Least One Blood Lead Test

Program	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05
MC	44.6%	47.3%	48.0%	47.8%	48.3%	49.0%	49.5%	51.1%	52.0%	53.8%	54.1%	54.8%	55.7%
FFS	32.8%	35.3%	36.0%	35.4%	35.8%	36.1%	36.4%	38.1%	39.1%	40.4%	40.5%	41.1%	41.8%
Duals	43.8%	47.3%	48.2%	47.7%	48.0%	48.7%	49.2%	50.3%	50.5%	51.5%	51.7%	52.1%	53.2%
Total	42.1%	45.0%	45.8%	45.6%	46.2%	46.8%	47.3%	48.7%	49.6%	51.2%	51.6%	52.3%	53.2%

Table 4. Statewide Blood Lead Testing of Two and Three Year Old Children for All Programs
January 2005

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	40	9	23%	31	11	35%
Alger	44	31	70%	35	29	83%
Allegan	508	139	27%	458	156	34%
Alpena	137	61	45%	156	73	47%
Antrim	105	9	9%	102	11	11%
Arenac	94	17	18%	86	24	28%
Baraga	29	11	38%	42	21	50%
Barry	241	151	63%	207	158	76%
Bay	537	240	45%	564	262	46%
Benzie	68	16	24%	65	6	9%
Berrien	930	393	42%	934	467	50%
Branch	235	74	31%	232	68	29%
Calhoun	871	356	41%	835	353	42%
Cass	243	62	26%	262	90	34%
Charlevoix	95	12	13%	115	16	14%
Cheboygan	141	20	14%	167	26	16%
Chippewa	184	91	49%	199	104	52%
Clare	212	55	26%	189	51	27%
Clinton	206	34	17%	197	58	29%
Crawford	64	12	19%	62	10	16%
Delta	207	139	67%	202	169	84%
Dickinson	114	26	23%	117	33	28%
Eaton	376	210	56%	365	215	59%
Emmet	178	9	5%	162	13	8%
Genesee	2,817	861	31%	2,854	1,040	36%
Gladwin	135	18	13%	133	30	23%
Gogebic	72	8	11%	69	18	26%
Grand Traverse	340	24	7%	368	41	11%
Gratiot	221	60	27%	225	55	24%
Hillsdale	231	60	26%	231	71	31%
Houghton	139	40	29%	198	62	31%
Huron	149	49	33%	133	50	38%
Ingham	1,427	470	33%	1,368	581	42%
Ionia	305	100	33%	278	104	37%
Iosco	143	29	20%	137	29	21%
Iron	55	11	20%	53	15	28%
Isabella	280	49	18%	267	62	23%
Jackson	804	258	32%	824	270	33%
Kalamazoo	1,158	440	38%	1,120	455	41%
Kalkaska	116	30	26%	127	18	14%
Kent	3,138	2,018	64%	3,133	2,188	70%
Keweenaw	5	2	40%	13	6	46%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	64	28	44%	58	31	53%
Lapeer	340	46	14%	340	53	16%
Leelanau	48	13	27%	33	5	15%
Lenawee	442	139	31%	417	159	38%
Livingston	282	39	14%	274	51	19%
Luce	27	20	74%	28	18	64%
Mackinac	55	44	80%	36	32	89%
Macomb	2,431	770	32%	2,383	856	36%
Manistee	113	24	21%	108	25	23%
Marquette	270	82	30%	244	96	39%
Mason	127	30	24%	154	47	31%
Mecosta	238	111	47%	228	89	39%
Menominee	108	65	60%	120	83	69%
Midland	317	67	21%	331	74	22%
Missaukee	84	18	21%	69	8	12%
Monroe	513	187	36%	500	213	43%
Montcalm	301	97	32%	335	122	36%
Montmorency	45	10	22%	45	15	33%
Muskegon	1,142	524	46%	1,135	598	53%
Newaygo	270	101	37%	283	128	45%
Oakland	2,701	822	30%	2,718	944	35%
Oceana	185	80	43%	170	70	41%
Ogemaw	132	23	17%	150	49	33%
Ontonagon	21	3	14%	22	7	32%
Osceola	120	32	27%	136	48	35%
Oscoda	42	8	19%	36	8	22%
Otsego	125	7	6%	143	8	6%
Ottawa	840	250	30%	846	302	36%
Presque Isle	57	12	21%	52	17	33%
Roscommon	111	9	8%	136	21	15%
Saginaw	1,300	464	36%	1,377	558	41%
St Clair	725	185	26%	718	192	27%
St Joseph	397	104	26%	367	156	43%
Sanilac	230	58	25%	218	77	35%
Schoolcraft	48	38	79%	39	27	69%
Shiawassee	345	71	21%	361	84	23%
Tuscola	281	74	26%	296	80	27%
Van Buren	473	158	33%	467	204	44%
Washtenaw	913	212	23%	880	250	28%
Wayne ex Detroit	3,583	1,139	32%	3,439	1,349	39%
Detroit, City of	9,739	5,595	57%	9,874	6,762	68%
Wexford	204	29	14%	200	26	13%
MICHIGAN	47,183	18,492	39%	47,081	21,461	46%

Table 5. Statewide Blood Lead Testing of Two and Three Year Old Children Enrolled in Managed Care
January 2005

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	33	5	15%	27	11	41%
Alger	28	20	71%	23	19	83%
Allegan	403	111	28%	378	126	33%
Alpena	108	52	48%	123	61	50%
Antrim	0	0	NA	1	0	0%
Arenac	75	15	20%	72	19	26%
Baraga	20	8	40%	20	11	55%
Barry	137	86	63%	117	94	80%
Bay	453	206	45%	476	231	49%
Benzie	53	10	19%	38	2	5%
Berrien	792	348	44%	806	409	51%
Branch	187	67	36%	189	58	31%
Calhoun	751	318	42%	698	295	42%
Cass	194	55	28%	223	82	37%
Charlevoix	3	1	33%	5	2	40%
Cheboygan	2	0	0%	2	1	50%
Chippewa	119	56	47%	121	60	50%
Clare	1	0	0%	2	0	0%
Clinton	148	24	16%	148	46	31%
Crawford	46	6	13%	43	8	19%
Delta	170	120	71%	158	134	85%
Dickinson	85	18	21%	76	17	22%
Eaton	316	175	55%	300	176	59%
Emmet	1	1	100%	0	0	NA
Genesee	2,435	751	31%	2,461	892	36%
Gladwin	97	14	14%	100	22	22%
Gogebic	58	7	12%	60	16	27%
Grand Traverse	4	0	0%	8	2	25%
Gratiot	165	42	25%	175	42	24%
Hillsdale	193	53	27%	189	60	32%
Houghton	110	32	29%	162	45	28%
Huron	113	40	35%	102	40	39%
Ingham	1,195	398	33%	1,151	494	43%
Ionia	190	63	33%	169	59	35%
Iosco	125	26	21%	107	26	24%
Iron	44	10	23%	44	15	34%
Isabella	2	0	0%	4	0	0%
Jackson	670	224	33%	671	228	34%
Kalamazoo	977	380	39%	953	390	41%
Kalkaska	1	0	0%	3	1	33%
Kent	2,623	1,717	65%	2,589	1,872	72%
Keweenaw	5	2	40%	11	5	45%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	48	23	48%	39	18	46%
Lapeer	255	37	15%	256	41	16%
Leelanau	2	1	50%	2	0	0%
Lenawee	358	114	32%	344	131	38%
Livingston	229	35	15%	223	45	20%
Luce	22	15	68%	23	14	61%
Mackinac	34	26	76%	22	19	86%
Macomb	2,063	669	32%	2,012	740	37%
Manistee	89	18	20%	79	20	25%
Marquette	221	66	30%	202	80	40%
Mason	8	2	25%	6	2	33%
Mecosta	192	84	44%	188	70	37%
Menominee	77	49	64%	97	67	69%
Midland	15	3	20%	10	2	20%
Missaukee	60	13	22%	44	7	16%
Monroe	388	153	39%	395	173	44%
Montcalm	234	69	29%	257	95	37%
Montmorency	32	8	25%	35	13	37%
Muskegon	966	437	45%	970	509	52%
Newaygo	228	89	39%	230	98	43%
Oakland	2,310	724	31%	2,267	817	36%
Oceana	142	64	45%	141	59	42%
Ogemaw	115	20	17%	132	44	33%
Ontonagon	17	3	18%	16	5	31%
Osceola	94	26	28%	112	37	33%
Oscoda	38	7	18%	32	7	22%
Otsego	53	4	8%	53	4	8%
Ottawa	661	200	30%	649	232	36%
Presque Isle	45	12	27%	40	12	30%
Roscommon	98	8	8%	120	17	14%
Saginaw	1,136	403	35%	1,182	475	40%
St Clair	577	145	25%	571	154	27%
St Joseph	332	84	25%	305	129	42%
Sanilac	190	49	26%	177	61	34%
Schoolcraft	41	32	78%	32	25	78%
Shiawassee	285	61	21%	293	64	22%
Tuscola	212	53	25%	237	64	27%
Van Buren	401	135	34%	387	175	45%
Washtenaw	782	183	23%	751	220	29%
Wayne ex Detroit	3,090	1,011	33%	2,931	1,154	39%
Detroit, City of	8,571	4,959	58%	8,735	6,003	69%
Wexford	61	7	11%	78	11	14%
MICHIGAN	37,904	15,562	41%	37,680	17,984	48%

Table 6. Statewide Blood Lead Testing of Two and Three Year Old Children Eligible for Medicaid Only Fee-for-Service Coverage
January 2005

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	6	3	50%	4	0	0%
Alger	15	10	67%	11	9	82%
Allegan	87	20	23%	72	28	39%
Alpena	22	7	32%	30	10	33%
Antrim	101	9	9%	97	11	11%
Arenac	15	1	7%	10	4	40%
Baraga	9	3	33%	21	10	48%
Barry	98	61	62%	82	58	71%
Bay	80	34	43%	78	25	32%
Benzie	14	6	43%	21	3	14%
Berrien	124	39	31%	106	48	45%
Branch	45	6	13%	35	8	23%
Calhoun	102	33	32%	117	48	41%
Cass	44	6	14%	35	8	23%
Charlevoix	86	11	13%	104	13	13%
Cheboygan	135	20	15%	161	23	14%
Chippewa	59	33	56%	68	37	54%
Clare	205	54	26%	178	45	25%
Clinton	54	9	17%	43	11	26%
Crawford	15	5	33%	19	2	11%
Delta	32	16	50%	39	30	77%
Dickinson	27	8	30%	39	16	41%
Eaton	52	29	56%	54	33	61%
Emmet	171	8	5%	156	13	8%
Genesee	329	89	27%	339	122	36%
Gladwin	32	2	6%	28	7	25%
Gogebic	11	1	9%	7	2	29%
Grand Traverse	329	23	7%	353	38	11%
Gratiot	48	16	33%	44	11	25%
Hillsdale	33	6	18%	33	10	30%
Houghton	23	6	26%	32	15	47%
Huron	36	9	25%	26	8	31%
Ingham	207	61	29%	186	79	42%
Ionia	109	34	31%	103	42	41%
Iosco	14	1	7%	26	3	12%
Iron	7	1	14%	8	0	0%
Isabella	265	43	16%	251	58	23%
Jackson	107	21	20%	137	37	27%
Kalamazoo	137	35	26%	135	51	38%
Kalkaska	110	28	25%	121	17	14%
Kent	438	254	58%	478	270	56%
Keweenaw	0	0	NA	1	1	100%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	14	5	36%	18	13	72%
Lapeer	76	8	11%	82	12	15%
Leelanau	45	12	27%	31	5	16%
Lenawee	74	22	30%	68	26	38%
Livingston	47	4	9%	43	5	12%
Luce	4	4	100%	5	4	80%
Mackinac	19	16	84%	12	11	92%
Macomb	328	84	26%	332	100	30%
Manistee	22	6	27%	28	5	18%
Marquette	39	14	36%	37	14	38%
Mason	119	28	24%	145	45	31%
Mecosta	40	24	60%	34	17	50%
Menominee	29	15	52%	21	15	71%
Midland	295	62	21%	318	71	22%
Missaukee	23	5	22%	25	1	4%
Monroe	116	30	26%	92	37	40%
Montcalm	64	27	42%	71	23	32%
Montmorency	12	2	17%	7	2	29%
Muskegon	153	72	47%	141	69	49%
Newaygo	39	12	31%	48	27	56%
Oakland	348	85	24%	374	100	27%
Oceana	37	14	38%	29	11	38%
Ogemaw	14	1	7%	15	4	27%
Ontonagon	1	0	0%	6	2	33%
Osceola	21	4	19%	20	9	45%
Oscoda	3	1	33%	4	1	25%
Otsego	67	2	3%	85	4	5%
Ottawa	160	47	29%	173	59	34%
Presque Isle	11	0	0%	10	4	40%
Roscommon	10	1	10%	14	3	21%
Saginaw	137	49	36%	163	65	40%
St Clair	137	37	27%	128	33	26%
St Joseph	50	15	30%	48	19	40%
Sanilac	35	5	14%	34	14	41%
Schoolcraft	7	6	86%	6	1	17%
Shiawassee	50	8	16%	58	16	28%
Tuscola	59	16	27%	46	11	24%
Van Buren	66	22	33%	59	22	37%
Washtenaw	116	25	22%	110	25	23%
Wayne ex Detroit	423	100	24%	439	158	36%
Detroit, City of	972	516	53%	954	599	63%
Wexford	138	21	15%	115	15	13%
MICHIGAN	8,253	2,488	30%	8,336	2,941	35%

Table 7. Blood Lead Testing of Three Year Old Children by Length of Enrollment
January 2005

Health Plan Name	Total Enrollment			Continuous Enrollment			
	Eligibles	Eligibles with at least one lead test on or before 3rd birthday	Percent of Eligibles with at least one lead test on or before 3rd birthday	Eligibles	Eligibles with at least one lead test on or before 3rd birthday	Percent of Eligibles with at least one lead test on or before 3rd birthday	Percentage Point Difference with Continuous Enrollment
CAPE Health Plan	3,935	2,032	52%	1,944	1,146	59%	7
Community Choice Michigan	1,984	1,016	51%	1,324	745	56%	5
Great Lakes Health Plan, Inc.	4,326	1,682	39%	2,288	982	43%	4
Health Plan Of Michigan, Inc.	3,897	1,597	41%	1,619	813	50%	9
HealthPlus Partners, Inc.	2,722	1,106	41%	1,700	764	45%	4
M-Caid	862	246	29%	434	155	36%	7
McLaren Health Plan	1,996	649	33%	745	254	34%	2
Midwest Health Plan	2,343	1,308	56%	1,137	735	65%	9
Molina Healthcare of Michigan	6,141	3,168	52%	1,483	718	48%	-3
OmniCare Health Plan	2,194	1,432	65%	1,278	877	69%	3
PHP-MM Family Care	829	357	43%	451	223	49%	6
PHP of Southwest Michigan	1,642	682	42%	944	483	51%	10
Priority Health Government Programs, Inc.	1,823	1,121	61%	822	595	72%	11
Total Health Care	1,922	1,059	55%	1,013	618	61%	6
Upper Peninsula Health Plan	1,064	529	50%	686	372	54%	5
Managed Care Totals/Percent	37,680	17,984	48%	17,868	9,480	53%	5
Current Performance Monitoring Standard			45%	50%			

FFS (Title XIX only)	8,336	2,941	35%	2,935	904	31%	-4
FFS (Title V/XIX)	1,059	534	50%	587	312	53%	3
FFS Totals (Title XIX and V/XIX)	9,395	3,475	37%	3,522	1,216	35%	-2

Total Enrollment:

- Based on MMIS eligibility system
- Enrolled in plan (health plan or FFS) for the measurement month

Continuous Enrollment:

- Based on MMIS eligibility system
- Enrolled in same plan (health plan or FFS) for the measurement month and 12 months preceding 3rd birthday, with 1-month allowable gap